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TI Gelled foam **compositions**, and their manufacture and use  
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PA Merck and Co., Inc., USA  
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ICI C08L005-00, C08L089-00; C08L005-04, C08L005-00  
CC 58-1 (Cement, Concrete, and Related Building Materials)  
Section cross-reference(s): 60

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PI	EP 537999	A2	19930421	EP 1992-309347	19921014
	EP 537999	A3	19930915		
	R: CH, DE, FR, GB, IT, LI, NL				
	CA 2080035	AA	19930416	CA 1992-2080035	19921007
	JP 05214156	A2	19930824	JP 1992-277127	19921015
PRAI	US 1991-776156	A	19911015		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
EP 537999	ICM	C08L005-00
	ICS	C08L005-04; C08J009-30; B09B001-00; C04B040-00
	ICI	C08L005-00, C08L089-00; C08L005-04, C08L005-00

AB The foams comprise .gtoreq.1 polysaccharides selected from: natural algal- or microbially produced alginates, xanthan gum, welan gum, rhamsan gum, and their functionally equiv. derivs.; a polyvalent ionic complexing agent; and a synthetic and natural org. surface-active foaming agent; and water. The foams are manufd. by introducing air into an aq. soln. of the above components and agitating. These stable foams are used for covering landfills and fresh cement compns. to prevent evapn., and can easily be washed away. A formulation consisting of Na alginate 10, CaSO<sub>4</sub> 2.2, Na lauryl sulfate 2.0, Na hexametaphosphate 0.4, and water 1985.4 g, was mixed for 15 min, and foamed to give a foam that gelled to produce a wind-resistant surface film.

ST polysaccharide foam coating **cement landfill**; alginate foam coating **cement landfill**; polyvalent ionic complexing agent foam; surfactant foaming agent foam

IT Chelating agents

- Gum  
- polymer  
- Ca sulfate